

# Safety Data Sheet




## Advanced Nutrients Sensi Grow Part B Water Soluble Powder Pro Series

### Section 1. Identification

<b>GHS product identifier</b>	: Advanced Nutrients Sensi Grow Part B Water Soluble Powder Pro Series
<b>Other means of identification</b>	: Product Code: 6211 Formula Code: 001A
<b>Recommended use of the chemical and restriction on use</b>	: A plant nutrient used to obtain faster growth and larger yields in all kinds of growing media. Not to be used as food or feed in any forms.
<b>Supplier/Manufacturer's details</b>	: Advanced Nutrients U.S. LLC 8687 Melrose Ave, Suite G320, West Hollywood, CA 90069 Tel: (877) 604-8637 Email: <a href="mailto:info@advancednutrients.com">info@advancednutrients.com</a> <a href="http://www.advancednutrients.com">www.advancednutrients.com</a>
<b>Emergency Phone number</b>	: CHEMTREC Emergency Phone Numbers: 1-800-424-9300 (North America, including Canada and Mexico) 1+703-527-3887 (International)

### Section 2. Hazard Identification

<b>GHS classification of the substance/mixture</b>	: Serious Eye Damage; 1 Acute Toxicity, Oral; 4 Skin Irritation; 3
<b>GHS label elements</b>	
<b>Pictogram symbol</b>	: 
<b>Signal word</b>	: Danger
<b>Hazard statement</b>	: Causes serious eye damage. Harmful if swallowed.
<b>Precautionary statement</b>	
<b>General</b>	: Read label before use. Keep out of reach of children.
<b>Prevention</b>	: Wear eye protection/face protection. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

<b>Response</b>	: If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Center or doctor. If swallowed: call a Poison Center or doctor if you feel unwell. Rinse mouth.
<b>Storage</b>	: Store in cool and dry place.
<b>Disposal</b>	: Dispose of contents and container in accordance with all local, regional, national, and international regulations.
<b>Other hazards (not covered by the GHS)</b>	: Product may form slippery surface when wet.

### Section 3. Composition/Information on Ingredients

<b>Substance/Mixture</b>	: Mixture of substances.
<b>Chemical identity</b>	: Not applicable.
<b>Common name/synonym</b>	: Not available.
<b>CAS number and other unique identifiers</b>	: Not applicable.
<b>Impurities and stabilizing additives</b>	: Not applicable.

<b>Ingredient name</b>	<b>CAS number</b>	<b>% (w/w)</b>	<b>Classification</b>
Ammonium Calcium Nitrate Double Salt	12245-12-2	100	

There are no additional ingredients present in concentrations above the relevant cut-off values which in the best knowledge of the supplier would contribute to the hazards of this product.

*\*Exact concentrations of ingredients deemed to be trade secrets may be withheld in accordance with 29CFR §1910.1200 (i)*

### Section 4. First-aid Measures

<b>Description of necessary measures</b>	
<b>Self-protection of first-aiders</b>	: No action shall be taken involving any personal risk or without suitable training.
<b>General information</b>	: The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.
<b>Inhalation</b>	: Remove exposed person to fresh air. Get medical attention if exposed person feels unwell.
<b>Skin contact</b>	: Remove contaminated clothing. Rinse affected area with water for at least 15 minutes. Get medical attention if skin irritation develops or persists.

<b>Eye contact</b>	: Immediately flush eyes with plenty of water for at least 15 minutes, keeping eyelids open. Check for and remove any contact lenses. Get medical attention immediately.
<b>Ingestion</b>	: Rise out mouth with water. If material has been swallowed and exposed person is conscious, give small amounts of water to drink. Do not induce vomiting unless advised to do so by medical personnel. Get medical attention if exposed person feels unwell.
<b>Most important symptoms/effects, acute and delayed:</b>	
<b>Inhalation</b>	: Inhaled dusts may cause respiratory tract irritation.
<b>Skin contact</b>	: May cause skin irritation.
<b>Eye contact</b>	: Causes serious eye damage. Symptoms include pain, watering, and redness of the eyes.
<b>Ingestion</b>	: Harmful if swallowed. May cause burns to mouth, throat, and stomach. May cause stomach pain.
<b>Indication of immediate medical attention and special treatment needed:</b>	
<b>Notes to physician</b>	: Treat symptomatically.
<b>Specific treatments</b>	: If exposed or concerned, seek medical attention.

## Section 5. Fire-fighting Methods

<b>Suitable extinguishing media</b>	: Flooding quantities of water.
<b>Unsuitable extinguishing media</b>	: Dry chemical, carbon dioxide, or foam.
<b>Specific hazards arising from the chemical</b>	: Thermal decomposition products include oxides of nitrogen, oxides of carbon, and ammonia. Toxic or corrosive gasses may be produced in a fire.
<b>Special protective equipment for fire-fighters</b>	: Full turn-out gear with self-contained breathing apparatus (SCBA).
<b>Special protective precautions for fire-fighters</b>	: Remain upwind of the fire. Avoid breathing dusts or fumes from burning material. Do not attempt to smother the fire with steam or sand. Water spray onto molten material may cause spattering.

## Section 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	: Protective Equipment: Chemical resistant gloves, eye protection, and respiratory protection (if dusty). Emergency Procedures: Evacuate unnecessary personnel. Avoid walking through spilled material. Ventilate area as necessary.
<b>For emergency personnel</b>	: Protective Equipment: Chemical resistant gloves, eye protection, and respiratory protection (if dusty). Emergency Procedures: Evacuate unnecessary personnel. Avoid walking through spilled material. Ventilate area as necessary.
<b>Environmental precautions</b>	: Care should be taken to prevent material from entering waterways, sewers, or drains.
<b>Methods and materials for containment and clean up</b>	
<b>Small and Large spill</b>	: Clean up spills immediately. Contain any spills with dikes to prevent from reaching drains or waterways. Scoop or shovel spilled material into an appropriate container. Avoid sweeping in dry conditions to prevent dust generation. Dispose of contents and container in accordance with local, regional, national & international regulations. Spilled uncontaminated dry material and solutions may be applied to plants or land as a fertilizer according to package directions.

## Section 7. Handling and Storage

<b>Precautions for safe handling</b>	
<b>Advice on general hygiene</b>	: Comply with the current standards 29 CFR 1910 Occupational Safety and Health Standards. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.
<b>Protective measures</b>	: Wear eye protection/face protection. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear respiratory protection if dust is generated.
<b>Conditions for safe storage and any incompatibilities</b>	: Store in a cool, dry, and well-ventilated place. Keep container tightly closed when not in use. Keep away from combustible and incompatible materials. Combustible materials, reducing materials, organic materials, strong acids, strong bases, halogens, chlorine, chlorinated compounds, and hydrogen peroxides.

## Section 8. Exposure Controls/Personal Protection

### Control parameters

**Occupational exposure limits** : Substances whose occupational exposure limits must be monitored in the workplace:

Component	OSHA - PEL	ACGIH - TLV
Ammonium Calcium Nitrate Double Salt	Not Established	Not Established

**Biological limit values** : None.  
**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor, or mist, provide appropriate ventilation controls to minimize worker exposure.

**Environmental exposure controls** : Not available

### Individual protection measures

**Hygiene measures** : Not available

### Personal Protective Equipment (PPE)

**Eye/face protection** : Chemical goggles should be worn at all times during handling. An eye-wash station is recommended near where this product is handled.

**Skin protection** : Chemical-resistant gloves, and protective clothing should be worn at all times during handling.

**Respiratory protection** : Respiratory protection appropriate to the hazard and task performed should be worn if dust, fumes, gas, vapor, or mist is generated or if adequate ventilation is not available.

**Thermal hazards** : None.

## Section 9. Physical and Chemical Properties

**Appearance (physical state)** : White powder  
**Odor** : Mild odor  
**Odor threshold** : Not available  
**pH** : 4.0 – 6.0 (5% aqueous solution)  
**Melting point/Freezing point** : Not applicable\*  
**Initial boiling point and boiling range** : Not applicable  
**Flash point** : Not applicable  
**Evaporation rate** : Not applicable  
**Flammability (solid, gas)** : Not applicable  
**Upper/lower flammability or explosive limits** : Not applicable  
**Vapor pressure** : Not applicable

<b>Vapor density</b>	: Not applicable
<b>Relative density</b>	: 1089 Kg/m <sup>3</sup> (68 lb/ft <sup>3</sup> )
<b>Solubility (ies)</b>	: Soluble in water
<b>Partition coefficient: n-octanol/water</b>	: Not applicable
<b>Auto-ignition temperature</b>	: Not applicable
<b>Decomposition temperature</b>	: Not applicable
<b>Viscosity</b>	: Not applicable

\*Not relevant due to the nature of the product.

## Section 10. Stability and Reactivity

<b>Reactivity</b>	: No hazardous reaction when handled and stored appropriately.
<b>Chemical stability</b>	: Stable under normal storage and temperature conditions. Decomposes upon heating.
<b>Possibility of hazardous reactions</b>	: Hazardous polymerization will not occur.
<b>Conditions to avoid</b>	: Extreme temperatures, open flame, combustible and incompatible materials.
<b>Incompatible materials</b>	: Combustible materials, reducing materials, organic materials, strong acids, strong bases, halogens, chlorine, chlorinated compounds, and hydrogen peroxides.
<b>Hazardous decomposition products</b>	: Thermal decomposition products include oxides of nitrogen, oxides of carbon, and ammonia.

## Section 11. Toxicological Information

<b>Acute toxicity</b>			
<b>Ingredient</b>	<b>Toxicity</b>	<b>Species</b>	<b>Dose*</b>
Ammonium Calcium Nitrate Double Salt	Oral LD50 Dermal LD50	Rat	500 mg/kg >2000 mg/kg
<b>Skin corrosion/irritation</b>	: There is no data available.		
<b>Serious eye damage/ irritation</b>	: Contact with the eyes: Produces eye damage after contact.		
<b>Respiratory or skin sensitization</b>	: There is no data available.		

<b>Germ cell mutagenicity</b>	: There is no data available.
<b>Carcinogenicity</b>	: There is no data available.
<b>Reproductive toxicity</b>	: There is no data available.
<b>STOT-single exposure</b>	: There is no data available.
<b>STOT-repeated exposure</b>	: There is no data available.
<b>Aspiration hazard</b>	: There is no data available.
<b>The Likely routes of exposure, health effects and Symptoms related to the physical, chemical and toxicological characteristics</b>	
<b>Eye contact</b>	: Causes serious eye damage.
<b>Inhalation</b>	: Harmful if swallowed.
<b>Skin contact</b>	: May cause skin irritation.
<b>Ingestion</b>	: Inhaled dusts may cause respiratory tract irritation.
<b>Delayed and immediate effects and also chronic effects from short or long term exposure</b>	
<b>Short-term exposure</b>	
<b>Potential immediate effects</b>	: No known significant effects or critical hazards.
<b>Potential delayed effects</b>	: No known significant effects or critical hazards.
<b>Long-term exposure</b>	
<b>Potential immediate effects</b>	: No known significant effects or critical hazards.
<b>Potential delayed effects</b>	: No known significant effects or critical hazards.
<b>Potential Chronic health effect</b>	: No known significant effects or critical hazards.
<b>Numerical measures of toxicity</b>	
<b>Acute toxicity estimate</b>	
<b>Oral</b>	: There is no data available.
<b>Inhalation of vapors</b>	: There is no data available.

## Section 12. Ecological Information

<b>Toxicity</b>				
<b>Ingredient name</b>		<b>Acute Toxicity</b>	<b>Species</b>	<b>Exposure</b>
Ammonium Calcium Nitrate	LC50	447 mg/L	Freshwater Fish	48 hours
Double Salt	EC50	>100 mg/L	Freshwater Flea	48 hours
	LC50	>100 mg/L	Aquatic Plants	72 hours

<b>Persistence and degradability</b>	: Biodegradable
<b>Bio accumulative potential</b>	: Low
<b>Mobility in soil</b>	: Low

**Other adverse effects** : Large quantities of fertilizer released into the environment may kill vegetation and fish and cause algae blooms if bodies of water are contaminated.

## Section 13. Disposal Considerations

**Disposal of waste methods** : Dispose of contents and container in accordance with local, regional, national, and international regulations. Spilled uncontaminated dry material and solutions may be applied to plants or land as a fertilizer according to package directions. Care should be taken to prevent material from entering waterways, sewers, or drains.

**Contaminated packaging** : Empty containers should be recycled or disposed of through an approved waste management facility. Persons conducting disposal, recycling or reclamation activities should follow the information in Section 8 of this SDS.

## Section 14. Transport Information

Identification of ingredients according to UN Model Regulations	
<b>UN number</b>	This product is not considered hazardous for purposes of transportation.
<b>UN proper shipping name</b>	
<b>Transport hazard class(es)</b>	
<b>Packing group</b>	
<b>Special precaution for user</b>	<b>Transport within user's premises:</b> always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
<b>Transport in bulk</b>	Not applicable

### Environmental hazards

<b>Ingredient's name</b>	<b>IMDG</b>	<b>UN</b>	<b>ADR</b>	<b>RID</b>	<b>ADN</b>
Ammonium Calcium Nitrate Double Salt	No	No	No	No	No

## Section 15. Regulatory Information

**Safety, health and environmental regulations specific for the product in question** : Some components of this mixture may be subject to various regulations and reporting requirements. The regulatory status of components listed below does not affect the hazard classification of this mixture listed in Section 2 of this SDS.

Ammonium Calcium Nitrate Double Salt



	TSCA Inventory	Not Listed
	SARA 302/304	Not Listed
	SARA 311/312	Acute Health Hazard

## Section 16. Other Information

<b>Prepared by</b>	: Research and Development Department, Advanced Hemp Inc., Canada
<b>Date of Preparation</b>	: 07/04/2021
<b>Version</b>	: 2
<b>Date of Revision</b>	: 10/05/2021
<b>Revised Sections</b>	: Section 1
<b>Key Acronyms:</b>	
<b>ACGIH-TLV</b>	: American Conference of Governmental Industrial Hygienists Threshold Limit Value
<b>ADN</b>	: The European Agreement concerning the International Transport of Dangerous Goods by Inland Waterways
<b>ADR</b>	: The European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>BW</b>	: Body Weight
<b>IATA</b>	: International Air Transport Association shipment of Dangerous Goods Regulation
<b>IMDG</b>	: International Maritime Dangerous Goods code
<b>OSHA-PEL</b>	: Occupational Safety and Health Administration - Permissible Exposure Limits
<b>RID</b>	: The Regulation concerning the International Carriage of Dangerous Goods by Rail
<b>SARA</b>	: Superfund Amendments and Reauthorization Act
<b>SDS</b>	: Safety Data Sheet
<b>TSCA</b>	: The Toxic Substances Control Act

**European Chemical Agency (ECHA) 2015. Information on Chemicals: Registered substances**  
<https://echa.europa.eu/information-on-chemicals/registered-substances> Online Database. Accessed on October 28, 2018.

**European Agreement concerning the International Transport of Dangerous Goods by Inland Waterways (ADN), including the Annexed Regulations, applicable as from 1 January 2013.** Volume I and Volume II. ECE/TRANS/231 (Vol. I & II). UN Economic Commission for Europe-Committee on Inland Transport. New York and Geneva, 2012.

**European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), applicable as from 1 January 2013.** Volume I and Volume II. ECE/TRANS/225 (Vol. I & II). United Nations Economic Commission for Europe-Committee on Inland Transport, New York and Geneva, 2012.

**Globally Harmonized System of Classification and Labelling of Chemicals.** 5<sup>th</sup> Edition. ST/SG/AC. 10.30/Rev. 5. United Nations, New York and Geneva, 2013.

**Guidance on Labelling and Packaging Regulation in Accordance with EU Regulation 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation).** European Chemical Agency, Finland, 2011.

**International Maritime Dangerous Goods (IMDG) Code Volume 1 and 2. Incorporating Amendment 33-06, 2006 Edition.** International Maritime Organization. London, 2006.

**OSH Answers Fact Sheets. Canadian Centre for Occupational Health and Safety.** [http://www.ccohs.ca/oshanswers/chemicals/oxidizing/oxidizing\\_hazards.html](http://www.ccohs.ca/oshanswers/chemicals/oxidizing/oxidizing_hazards.html)  
Accessed on October 08, 2018.

**OSHA Law and Regulations. Occupational Safety and Health Standards 29 CFR: 1910.** <https://www.osha.gov/law-regs.html> Accessed on October 08, 2018.

**Recommendations on the Transport of Dangerous Goods – Manual of Test and Criteria.** 5<sup>th</sup> Edition. ST/SG/AC. 10/11/Rev. 5. United Nations, New York and Geneva, 2009.

**Recommendations on the Transport of Dangerous Goods – Model Regulations.** 18<sup>th</sup> Edition. Volume I and II. ST/SG/AC. 10/1/Rev. 18. UN, New York and Geneva, 2013.

**Regulation (EC) No. 1272/2008 of the European Parliament and of the Council** on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Official Journal of the European Union L 353/1. 2008.

**Others :** The data here is for hazard communication to our employees, our customers and their employees and authorized regulatory agencies. For the intended purpose, this SDS may be duplicated or the data transcribed to an alternative form.

Note: The information contained herein is provided in good faith and is believed to be correct as of the date of hereof. However, Advanced Hemp Inc. makes no representation as to the comprehensiveness or accuracy of the information provided. It is expected that individuals receiving the information will exercise their independent judgement in determining the appropriateness for a particular period. Accordingly, Advanced Hemp Inc. will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder to which the information refers. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment.